

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A computer readable recording medium storing a program for performing a method of implementing a tree of distributed objects in different processes, wherein a central directory is adapted to store information on objects in a data structure at the-a root of the tree, said method comprising assigning to a father object in a process, for each of one or more son-object objects:

information corresponding to a physical address if a-at least one of said each of one or more son object is-objects is contained in a same process, or

information referring back to said central directory if the-another at least one of said each of one or more son object is-objects is not contained in the same process.

2. (currently amended): The method computer readable recording medium according to claim 1, wherein if the central directory receives a request for access to a first object identified by a logical name identifying a logical access path of said first object from the central directory, the central directory searches its data structure for the-a logical name received in order to send the request directly to said first object or, if said logical name is not in the central directory, the central directory searches for a logical name with the-a longest character string equal to a first part of the character string of the logical name received, in order to send to a-said father object;

the request ~~relating to the first object~~, by providing said father object with information corresponding to the logical access path of the first object relative to ~~the~~said father object.

3. (currently amended): The computer readable recording medium ~~method~~ according to claim 2, wherein ~~the~~said father object which receives said request sends the request to said first object if it is a son object of ~~its~~the process of the father object or returns a message to the central directory.

4. (currently amended): The computer readable recording medium ~~method~~ according to claim 1, wherein the central directory manages ~~the~~ redundancy of ~~the~~ processes by selecting one of ~~several~~the processes containing the ~~relating to~~ a requested object.

5. (currently amended): The computer readable recording medium ~~method~~ according to claim 1, wherein if ~~a~~said father object of ~~a~~the process receives a request relating to ~~a~~at least one of said one or more son object objects directly, ~~it~~said father object returns that request to the central directory if said at least of said one or more son objects is not contained in ~~its~~the process of said father object.

6. (currently amended): The computer readable recording medium ~~method~~ according to claim 5, wherein the at least one of said one or more son object is objects is identified in said request by a logical name defining ~~the~~a first logical access path of ~~that object~~said at least one of said one or more objects from said father object, and wherein said father object returns said request to the central directory with ~~the~~a first character string of said logical name preceded by

~~the-a second~~ character string corresponding to ~~its own~~~~a~~ logical name of said father object defining ~~its-a second~~ logical access path from the central directory.

7. (currently amended): The computer readable recording medium ~~method~~ according to claim 1, wherein the central directory contains at least information relating to each root object of each process.

8. (currently amended): The computer readable recording medium ~~method~~ according to claim 1, wherein the method applies to a distributed object environment based on a manager of ~~the-a~~ CORBA type.

9. (currently amended): The computer readable recording medium ~~method~~ according to claim 1, wherein the method applies to a distributed object environment based on a manager of ~~the-a~~ DCOM type.